



# EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018  
Tel/Fax: (212) 290-0051 / (212) 290-0058  
<http://www.EMSL.com / manhattanlab@emsl.com>

**EMSL Order:** 031628488  
**Customer ID:** ATEN78  
**Customer PO:**  
**Project ID:**

**Attention:** Matthew Weintraub  
Atlantic Environmental Consulting, LLC  
3725 Alpine Drive  
Endicott, NY 13760  
**Phone:** (607) 239-4311  
**Fax:**  
**Received Date:** 09/21/2016 11:03 AM  
**Analysis Date:** 09/23/2016 - 09/24/2016  
**Collected Date:** 09/17/2016  
**Project:** 214 HARMON STREET, ELMIRA, NY

## Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
<b>Sample ID</b> 11716-201 031628488-0001		<b>Description</b>	2FL/ KITCHEN - WHITE VINYL FLOORING (BOTTOM)		
		<b>Homogeneity</b>	Heterogeneous		
<b>PLM NYS 198.1 Friable</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>	09/23/2016	White	<1.00% Glass	100.00% Other	<b>Inconclusive: None Detected</b>
<b>TEM NYS 198.4 NOB</b>	09/24/2016	White		100.00% Other	<b>None Detected</b>
<b>Sample ID</b> 11716-202 031628488-0002		<b>Description</b>	2FL/ KITCHEN - WHITE VINYL FLOORING (BOTTOM)		
		<b>Homogeneity</b>	Heterogeneous		
<b>PLM NYS 198.1 Friable</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>	09/23/2016	White	<1.00% Glass	100.00% Other	<b>Inconclusive: None Detected</b>
<b>TEM NYS 198.4 NOB</b>	09/24/2016	White		100.00% Other	<b>None Detected</b>
<b>Sample ID</b> 11716-203 031628488-0003		<b>Description</b>	2FL/ KITCHEN - 12X12 P&S FLOOR TILE (TOP)		
		<b>Homogeneity</b>	Heterogeneous		
<b>PLM NYS 198.1 Friable</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>	09/23/2016	Gray		100.00% Other	<b>Inconclusive: None Detected</b>
<b>TEM NYS 198.4 NOB</b>	09/24/2016	Gray		100.00% Other	<b>None Detected</b>
<b>Sample ID</b> 11716-204 031628488-0004		<b>Description</b>	2FL/ KITCHEN - 12X12 P&S FLOOR TILE (TOP)		
		<b>Homogeneity</b>	Heterogeneous		
<b>PLM NYS 198.1 Friable</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>	09/23/2016	Gray		100.00% Other	<b>Inconclusive: None Detected</b>
<b>TEM NYS 198.4 NOB</b>	09/24/2016	Gray		100.00% Other	<b>None Detected</b>
<b>Sample ID</b> 11716-205 031628488-0005		<b>Description</b>	2FL/ WALL - DRYWALL		
		<b>Homogeneity</b>	Homogeneous		
<b>PLM NYS 198.1 Friable</b>	09/24/2016	Brown/ Gray	16.00% Cellulose	58.00% Gypsum 26.00% Non-fibrous (other)	<b>None Detected</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>

Initial Report From: 09/24/2016 10:18:36



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## Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
<b>Sample ID</b> 11716-206 031628488-0006			<b>Description</b> 2FL/ FOYER - DRYWALL <b>Homogeneity</b> Homogeneous		
<b>PLM NYS 198.1 Friable</b>	09/24/2016	Brown/ Gray	10.00% Cellulose	62.00% Gypsum 28.00% Non-fibrous (other)	<b>None Detected</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>
<b>Sample ID</b> 11716-207 031628488-0007			<b>Description</b> 2FL/ R BR - DRYWALL <b>Homogeneity</b> Homogeneous		
<b>PLM NYS 198.1 Friable</b>	09/24/2016	Gray	5.00% Cellulose	55.00% Gypsum 40.00% Non-fibrous (other)	<b>None Detected</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>
<b>Sample ID</b> 11716-208 031628488-0008			<b>Description</b> 2FL/ LAUNDRY - JOINT COMPOUND <b>Homogeneity</b> Homogeneous		
<b>PLM NYS 198.1 Friable</b>	09/24/2016	White/ Beige		40.00% Ca Carbonate 25.00% Gypsum 35.00% Non-fibrous (other)	<b>None Detected</b>
Inseparable paint / coating layer included in analysis					
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>
<b>Sample ID</b> 11716-209 031628488-0009			<b>Description</b> 2FL/ REAR - JOINT COMPOUND <b>Homogeneity</b> Homogeneous		
<b>PLM NYS 198.1 Friable</b>	09/24/2016	White/ Pink		52.00% Ca Carbonate 20.00% Gypsum 28.00% Non-fibrous (other)	<b>None Detected</b>
Inseparable paint / coating layer included in analysis					
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>
<b>Sample ID</b> 11716-210 031628488-0010			<b>Description</b> 2FL/ LR - JOINT COMPOUND <b>Homogeneity</b> Homogeneous		
<b>PLM NYS 198.1 Friable</b>	09/24/2016	White		50.00% Ca Carbonate 50.00% Non-fibrous (other)	<b>None Detected</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>

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## Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
<b>Sample ID</b> 11716-211-Skim Coat <i>031628488-0011</i>			<b>Description</b> 2FL/ HALL - PLASTER <b>Homogeneity</b> Homogeneous		
<b>PLM NYS 198.1 Friable</b>	09/24/2016	Brown/ White	8.00% Cellulose	35.00% Ca Carbonate 57.00% Non-fibrous (other)	<b>None Detected</b>
Inseparable paint / coating layer included in analysis					
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>
<b>Sample ID</b> 11716-211-Rough Coat <i>031628488-0011A</i>			<b>Description</b> 2FL/ HALL - PLASTER <b>Homogeneity</b> Homogeneous		
<b>PLM NYS 198.1 Friable</b>	09/24/2016	Gray	None	100.00% Non-fibrous (other) Vermiculite Present	
Surfacing Material containing vermiculite. NYS requires ELAP method 198.8.					
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>
<b>Sample ID</b> 11716-212 <i>031628488-0012</i>			<b>Description</b> 2FL/ FOYER - PLASTER <b>Homogeneity</b> Homogeneous		
<b>PLM NYS 198.1 Friable</b>	09/24/2016	Gray		2.00% Mica 68.00% Non-fibrous (other) 30.00% Quartz	<b>None Detected</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>
<b>Sample ID</b> 11716-213 <i>031628488-0013</i>			<b>Description</b> 2FL/ R BR - PLASTER <b>Homogeneity</b> Homogeneous		
<b>PLM NYS 198.1 Friable</b>	09/24/2016	Brown/ Gray		15.00% Ca Carbonate 50.00% Non-fibrous (other) 35.00% Quartz	<b>None Detected</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>
<b>Sample ID</b> 11716-214-Texture <i>031628488-0014</i>			<b>Description</b> 2FL/ KITCHEN - TEXTURED CEILING <b>Homogeneity</b> Homogeneous		
<b>PLM NYS 198.1 Friable</b>	09/24/2016	White		35.00% Ca Carbonate 7.00% Mica 58.00% Non-fibrous (other)	<b>None Detected</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>

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**EMSL Order:** 031628488  
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## Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
<b>Sample ID</b> I1716-214-Drywall 031628488-0014A			<b>Description</b> 2FL/ KITCHEN - TEXTURED CEILING		
			<b>Homogeneity</b> Homogeneous		
<b>PLM NYS 198.1 Friable</b>	09/24/2016	Brown/ Gray	15.00% Cellulose	55.00% Gypsum 30.00% Non-fibrous (other)	<b>None Detected</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>
<b>Sample ID</b> I1716-215-Texture 031628488-0015			<b>Description</b> 2FL/ KITCHEN - TEXTURED CEILING		
			<b>Homogeneity</b> Homogeneous		
<b>PLM NYS 198.1 Friable</b>	09/24/2016	Tan		35.00% Ca Carbonate 5.00% Mica 60.00% Non-fibrous (other)	<b>None Detected</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>
<b>Sample ID</b> I1716-215-Drywall 031628488-0015A			<b>Description</b> 2FL/ KITCHEN - TEXTURED CEILING		
			<b>Homogeneity</b> Homogeneous		
<b>PLM NYS 198.1 Friable</b>	09/24/2016	Gray	5.00% Cellulose	65.00% Gypsum 30.00% Non-fibrous (other)	<b>None Detected</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>
<b>Sample ID</b> I1716-216 031628488-0016			<b>Description</b> 2FL/ WALL - LOOSE FILL INSULATION		
			<b>Homogeneity</b> Homogeneous		
<b>PLM NYS 198.1 Friable</b>	09/24/2016	Brown/ Tan	86.00% Cellulose	14.00% Non-fibrous (other)	<b>None Detected</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>
<b>Sample ID</b> I1716-217 031628488-0017			<b>Description</b> 2FL/ WALL - LOOSE FILL INSULATION		
			<b>Homogeneity</b> Homogeneous		
<b>PLM NYS 198.1 Friable</b>	09/24/2016	Brown	90.00% Cellulose	10.00% Non-fibrous (other)	<b>None Detected</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>
<b>Sample ID</b> I1716-218 031628488-0018			<b>Description</b> 2FL/ REAR REGISTER - FABRIC DUCT WRAP		
			<b>Homogeneity</b> Homogeneous		
<b>PLM NYS 198.1 Friable</b>	09/24/2016	Gray	30.00% Cellulose	12.90% Non-fibrous (other)	<b>57.10% Chrysotile</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>

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**EMSL Order:** 031628488  
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## Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
<b>Sample ID</b> 11716-219 031628488-0019			<b>Description</b> 2FL/ FRONT REGISTER - FABRIC DUCT WRAP <b>Homogeneity</b>		
<b>PLM NYS 198.1 Friable</b>	09/24/2016				<b>Positive Stop (Not Analyzed)</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>
<b>Sample ID</b> 11716-220 031628488-0020			<b>Description</b> 2FL/ SIDE REGISTER - FABRIC DUCT WRAP <b>Homogeneity</b>		
<b>PLM NYS 198.1 Friable</b>	09/24/2016				<b>Positive Stop (Not Analyzed)</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>
<b>Sample ID</b> 11716-221 031628488-0021			<b>Description</b> 2FL/ FRONT - PLASTER <b>Homogeneity</b> Homogeneous		
<b>PLM NYS 198.1 Friable</b>	09/24/2016	Gray	2.00% Cellulose 4.00% Hair	50.00% Non-fibrous (other) 44.00% Quartz	<b>None Detected</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>
<b>Sample ID</b> 11716-222 031628488-0022			<b>Description</b> 2FL/ FRONT - PLASTER <b>Homogeneity</b> Homogeneous		
<b>PLM NYS 198.1 Friable</b>	09/24/2016	Brown/ Gray	2.00% Hair	10.00% Ca Carbonate 43.00% Non-fibrous (other) 45.00% Quartz	<b>None Detected</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>
<b>Sample ID</b> 11716-223 031628488-0023			<b>Description</b> 2FL/ VESTIBULE - 12X12 FLOOR TILE <b>Homogeneity</b> Heterogeneous		
<b>PLM NYS 198.1 Friable</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>	09/23/2016	Tan		100.00% Other	<b>Inconclusive: None Detected</b>
<b>TEM NYS 198.4 NOB</b>	09/24/2016	Tan		100.00% Other	<b>None Detected</b>
<b>Sample ID</b> 11716-224 031628488-0024			<b>Description</b> 2FL/ VESTIBULE - 12X12 FLOOR TILE <b>Homogeneity</b> Heterogeneous		
<b>PLM NYS 198.1 Friable</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>	09/23/2016	Tan		100.00% Other	<b>Inconclusive: None Detected</b>
<b>TEM NYS 198.4 NOB</b>	09/24/2016	Tan		100.00% Other	<b>None Detected</b>

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## Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID 11716-225 031628488-0025			Description 2FL/ REAR BR CLOSET - WHITE VINYL FLOORING		
			Homogeneity Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Tan	None	89.20% Other	10.80% Chrysotile
TEM NYS 198.4 NOB	09/23/2016				Positive Stop (Not Analyzed)
Sample ID 11716-226 031628488-0026			Description 2FL/ REAR BR CLOSET - WHITE VINYL FLOORING		
			Homogeneity		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016				Positive Stop (Not Analyzed)
TEM NYS 198.4 NOB	09/23/2016				Positive Stop (Not Analyzed)
Sample ID 11716-227 031628488-0027			Description 2FL/ LR CLOSET - YELLOW VINYL FLOORING		
			Homogeneity Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Tan	None	87.10% Other	12.90% Chrysotile
TEM NYS 198.4 NOB	09/23/2016				Positive Stop (Not Analyzed)
Sample ID 11716-228 031628488-0028			Description 2FL/ LR CLOSET - YELLOW VINYL FLOORING		
			Homogeneity		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016				Positive Stop (Not Analyzed)
TEM NYS 198.4 NOB	09/23/2016				Positive Stop (Not Analyzed)
Sample ID 11716-229 031628488-0029			Description 1FL/ REAR BATH - 12X12 FLOOR TILE		
			Homogeneity Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Tan		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Tan		100.00% Other	None Detected
Sample ID 11716-230 031628488-0030			Description 1FL/ REAR BATH - 12X12 FLOOR TILE		
			Homogeneity Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Tan		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Tan		100.00% Other	None Detected

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## Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID 11716-231 031628488-0031			Description 1FL/ KITCHEN - 12X12 FLOOR TILE Homogeneity Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Tan		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Tan		100.00% Other	None Detected
Sample ID 11716-232 031628488-0032			Description 1FL/ KITCHEN - 12X12 FLOOR TILE Homogeneity Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Tan		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Tan		100.00% Other	None Detected
Sample ID 11716-233 031628488-0033			Description 1FL/ BATH WALL - MASTIC Homogeneity Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Tan		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Tan		100.00% Other	None Detected
Sample ID 11716-234 031628488-0034			Description 1FL/ KITCHEN WALL - MASTIC Homogeneity Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Tan		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Tan		100.00% Other	None Detected
Sample ID 11716-235 031628488-0035			Description 1FL/ MID - 2X4 CEILING TILE Homogeneity Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Gray/ White	13.10% Min. Wool	86.90% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Gray/ White		100.00% Other	None Detected
Sample ID 11716-236 031628488-0036			Description 1FL/ MID - 2X4 CEILING TILE Homogeneity Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Gray/ White	18.10% Min. Wool	81.90% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Gray/ White		100.00% Other	None Detected

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<http://www.EMSL.com> / [manhattanlab@emsl.com](mailto:manhattanlab@emsl.com)

**EMSL Order:** 031628488  
**Customer ID:** ATEN78  
**Customer PO:**  
**Project ID:**

## Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
<b>Sample ID</b> 11716-237 <i>031628488-0037</i>		<b>Description</b> 1FL/ SIDE - DRYWALL			
		<b>Homogeneity</b> Homogeneous			
<b>PLM NYS 198.1 Friable</b>	09/24/2016	Brown/ Gray	18.00% Cellulose	50.00% Gypsum 32.00% Non-fibrous (other)	<b>None Detected</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>
<b>Sample ID</b> 11716-238 <i>031628488-0038</i>		<b>Description</b> 1FL/ L MID - DRYWALL			
		<b>Homogeneity</b> Homogeneous			
<b>PLM NYS 198.1 Friable</b>	09/24/2016	Gray	10.00% Cellulose	60.00% Gypsum 30.00% Non-fibrous (other)	<b>None Detected</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>
<b>Sample ID</b> 11716-239-Joint Compound <i>031628488-0039</i>		<b>Description</b> 1FL/ L BR - JOINT COMPOUND			
		<b>Homogeneity</b> Homogeneous			
<b>PLM NYS 198.1 Friable</b>	09/24/2016	White	None	35.00% Ca Carbonate 10.00% Mica 53.17% Non-fibrous (other)	<b>1.83% Chrysotile</b>
Inseparable paint / coating layer included in analysis					
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>
<b>Sample ID</b> 11716-239-Tape <i>031628488-0039A</i>		<b>Description</b> 1FL/ L BR - JOINT COMPOUND			
		<b>Homogeneity</b> Homogeneous			
<b>PLM NYS 198.1 Friable</b>	09/24/2016	White	93.00% Cellulose	7.00% Non-fibrous (other)	<b>None Detected</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>
<b>Sample ID</b> 11716-240 <i>031628488-0040</i>		<b>Description</b> 1FL/ FRONT - JOINT COMPOUND			
		<b>Homogeneity</b>			
<b>PLM NYS 198.1 Friable</b>	09/24/2016				<b>Positive Stop (Not Analyzed)</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>
<b>Sample ID</b> 11716-241 <i>031628488-0041</i>		<b>Description</b> EXTERIOR/ WALL - FELT			
		<b>Homogeneity</b> Heterogeneous			
<b>PLM NYS 198.1 Friable</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>	09/23/2016	Black		100.00% Other	<b>Inconclusive: None Detected</b>
<b>TEM NYS 198.4 NOB</b>	09/24/2016	Black		100.00% Other	<b>None Detected</b>

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EMSL Order: 031628488

Customer ID: ATEN78

Customer PO:

Project ID:

## Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID 11716-242 031628488-0042			Description EXTERIOR/ WALL - FELT Homogeneity Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected
Sample ID 11716-243 031628488-0043			Description EXTERIOR/ 2FL R - GLAZING COMPOUND Homogeneity Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Blue	<1.00% Fibrous (other)	100.00% Other	Inconclusive : <1.00% Anthophyllite
TEM NYS 198.4 NOB	09/24/2016	Blue		100.00% Other	None Detected
Sample ID 11716-244 031628488-0044			Description EXTERIOR/ 1FL R - GLAZING COMPOUND Homogeneity Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Tan	<1.00% Fibrous (other)	100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Tan		100.00% Other	None Detected
Sample ID 11716-245 031628488-0045			Description EXTERIOR/ R SIDE - CAULK Homogeneity Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	White/ Black		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	White/ Black		100.00% Other	None Detected
Sample ID 11716-246 031628488-0046			Description EXTERIOR/ FRONT - CAULK Homogeneity Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Tan/ White/ Blue		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Tan/ White/ Blue		100.00% Other	None Detected
Sample ID 11716-247 031628488-0047			Description ROOF/ PORCH - BITUMINOUS ROOFING Homogeneity Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black	19.50% Glass	80.50% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/23/2016				Positive Stop (Not Analyzed)

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EMSL Order: 031628488

Customer ID: ATEN78

Customer PO:

Project ID:

## Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID 11716-248 031628488-0048			Description ROOF/ PORCH - BITUMINOUS ROOFING Homogeneity Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black	23.40% Glass	75.40% Other	1.20% Chrysotile
TEM NYS 198.4 NOB	09/23/2016				Positive Stop (Not Analyzed)
Sample ID 11716-249 031628488-0049			Description ROOF/ MAIN - ASPHALTIC FELT Homogeneity Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected
Sample ID 11716-250 031628488-0050			Description ROOF/ MAIN - ASPHALTIC FELT Homogeneity Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected
Sample ID 11716-251 031628488-0051			Description ROOF/ MAIN - ASPHALTIC SHINGLE Homogeneity Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black	16.00% Glass	84.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected
Sample ID 11716-252 031628488-0052			Description ROOF/ MAIN - ASPHALTIC SHINGLE Homogeneity Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black	20.80% Glass	79.20% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected
Sample ID 11716-253 031628488-0053			Description ROOF/ MAIN - ASPHALTIC FLASHING CEMENT Homogeneity Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black	None	100.00% Other	Inconclusive : <1.00% Chrysotile
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected

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<b>EMSL Order:</b> 031628488
<b>Customer ID:</b> ATEN78
<b>Customer PO:</b>
<b>Project ID:</b>

## Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
<b>Sample ID</b> 11716-254 031628488-0054		<b>Description</b>	ROOF/ MAIN - ASPHALTIC FLASHING CEMENT		
		<b>Homogeneity</b>	Heterogeneous		
<b>PLM NYS 198.1 Friable</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>	09/23/2016	Black	None	100.00% Other	<b>Inconclusive : &lt;1.00% Chrysotile</b>
<b>TEM NYS 198.4 NOB</b>	09/24/2016	Black		100.00% Other	<b>None Detected</b>

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<b>EMSL Order:</b> 031628488
<b>Customer ID:</b> ATEN78
<b>Customer PO:</b>
<b>Project ID:</b>

## Test Report:Asbestos Analysis of Bulk Material

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk Materials via NYS ELAP Approved Methods . The reference number for these samples is the EMSL Order ID above . Please use this reference number when calling about these samples.

### Report Comments:

Sample Receipt Date: 9/21/2016  
Analysis Completed Date: 9/23/2016

Sample Receipt Time: 11:03 AM  
Analysis Completed Time: 6:05 PM

### Analyst(s):

Shahrakur Mahmud PLM NYS 198.1 Friable (15)

Tiquasha Thompson PLM NYS 198.1 Friable (8)

Jon Williams PLM NYS 198.6 NOB (30)

Alicia Folgar TEM NYS 198.4 NOB (26)

### Samples reviewed and approved by:

James Hall, Laboratory Manager  
or Other Approved Signatory

NOB = Non Friable Organically Bound N/A = Not Applicable VCM = Vermiculite Containing Material

-In New York State, TEM is currently the only method that can be used to determine if NOB materials can be considered or treated as non -asbestos containing.

All samples examined for the presence of vermiculite when analyzed via NYS 198.1.

-NYS Guidelines for Vermiculite containing samples are available at [http://www.wadsworth.org/labcert/elapcert/forms/VermiculiteInterimGuidance\\_Rev070913.pdf](http://www.wadsworth.org/labcert/elapcert/forms/VermiculiteInterimGuidance_Rev070913.pdf) EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations . Interpretation and use of test results are the responsibility of the client. Samples were received in good condition unless otherwise noted.

This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. This report may contain data that is not covered by the NVLAP accreditation .

Samples analyzed by EMSL Analytical, Inc. New York, NY NYS ELAP 11506

Initial Report From: 09/24/2016 10:18:36